AMENDMENTS TO THE ABSTRACT:

Please replace the paragraph (Abstract) beginning at page 58, line 1 with the

following rewritten version:

ABSTRACT

An instantaneous current and instantaneous voltage of a three-phase coil (10) of a
brushless DC motor (6) are detected, and the internal condition of a compressor (1) is
predicted from these detection values. The prediction about the internal condition of the
compressor (1) is made in such a way that motor driving torque which is a parameter of a
motor model is identified and poor lubrication, liquid compression or the like is predicted
from this identified motor driving torque. This enables it to make, in real time, a failure
forecast, failure diagnosis etc. on the compressor (1).